

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

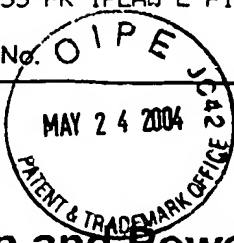
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Express Mail Label No.

Page 1 of 5

Docket No.
FIS920040011US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
FAST MODEL-BASED OPTICAL PROXIMITY CORRECTION

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on 02-20-04 as United States Application No. or PCT International
Application Number 10/783,938
and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

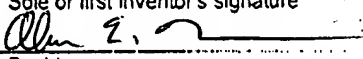
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

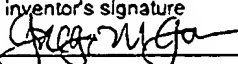
Joseph P. Abate, Registration No. 30,238;
Mark F. Chadurjian, Registration No. 30,739
Jay H. Anderson, Registration No. 38,371;
Ira D. Blecker, Registration No. 29,894;
Steven Capella, Registration No. 33,086;
James Cioffi, Registration No. 51,564;
Harold Huberfeld, Registration No. 26,665;
Todd M. C. Li, Registration No. 45,554;
Anthony N. Magistrale, Registration No. 35,595;
Margaret A. Pepper, Registration No. 45,008;
Mark Bilak, Registration No. 47,423;

H. Daniel Schnurmann, Registration No. 35,791;
Eugene I. Shkurko, Registration No. 36,678;
Steven J. Soucar, Registration No. 32,440;
Tiffany L. Townsend, Registration No. 43,199;
all of INTERNATIONAL BUSINESS MACHINES
CORPORATION;
John E. Hoel, Registration No. 26,279;
Christopher A. Hughes, Registration No. 26,914;
Joseph C. Redmond, Jr., Registration No. 18,753;
all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Todd M. C. Li
Customer Number 32074

Direct Telephone Calls to: *(name and telephone number)*
Todd M. C. Li, Registration No. 45,554, Telephone No. 845-894-6919

Full name of sole or first inventor Alan E. Rosenbluth	3/8/04 Date
Sole or first inventor's signature 	
Residence 3017 Hickory Street, Yorktown Heights, NY 10598	
Citizenship USA	
Post Office Address 3017 Hickory Street, Yorktown Heights, NY 10598	

Full name of second inventor, if any Gregg M. Gallatin	
Second inventor's signature 	3/3/04 Date
Residence 6 Castle Lane, Newtown, CT 06470	
Citizenship USA	
Post Office Address 6 Castle Lane, Newtown, CT 06470	

Full name of third inventor, if any Ronald L. Gordon	
Third inventor's signature: <i>Ronald L. Gordon</i>	Date <i>1 Mar. 2004</i>
Residence 16 Bird Lane, Poughkeepsie, NY 12603	
Citizenship USA	
Post Office Address 16 Bird Lane, Poughkeepsie, NY 12603	

Full name of fourth inventor, if any Nakgeun Seong	
Fourth inventor's signature: <i>Nakgeun Seong</i>	Date <i>3-March-2004</i>
Residence 22 Robinson Lane, Wappingers Falls, NY 12590	
Citizenship Republic of Korea	
Post Office Address 22 Robinson Lane, Wappingers Falls, NY 12590	

Full name of fifth inventor, if any Alexey Y. Lvov	
Fifth inventor's signature	Date
Residence 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	
Citizenship RU	
Post Office Address 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	

Full name of sixth inventor, if any William D. Hinsberg	
Sixth inventor's signature	Date
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of seventh inventor, if any John A. Hoffnagle	
Seventh inventor's signature	Date
Residence 311 Los Pinos Way, San Jose, CA 95119	
Citizenship USA	
Post Office Address 311 Los Pinos Way, San Jose, CA 95119	

Full name of eighth inventor, if Frances A. Houle	
Eighth inventor's signature	Date
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of ninth inventor, if any Martha L. Sanchez	
Ninth inventor's signature	Date
Residence 725 Stanford Ave., Menlo Park, CA 94025	
Citizenship USA	
Post Office Address 725 Stanford Ave., Menlo Park, CA 94025	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Express Mail Label No.



Page 1 of 5

Docket No.
FIS920040011US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
FAST MODEL-BASED OPTICAL PROXIMITY CORRECTION

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on 02-20-04 as United States Application No. or PCT International
 Application Number 10/783,938
 and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,238;
Mark F. Chadurjian, Registration No. 30,739
Jay H. Anderson, Registration No. 38,371;
Ira D. Blecker, Registration No. 29,894;
Steven Capella, Registration No. 33,086;
James Cioffi, Registration No. 51,564;
Harold Huberfeld, Registration No. 26,665;
Todd M. C. Li, Registration No. 45,554;
Anthony N. Magistrale, Registration No. 35,595;
Margaret A. Pepper, Registration No. 45,008;
Mark Bilak, Registration No. 47,423;

H. Daniel Schnurmann, Registration No. 35,791;
Eugene I. Shkurko, Registration No. 36,678;
Steven J. Soucar, Registration No. 32,440;
Tiffany L. Townsend, Registration No. 43,199;
all of INTERNATIONAL BUSINESS MACHINES
CORPORATION;
John E. Hoel, Registration No. 26,279;
Christopher A. Hughes, Registration No. 26,914;
Joseph C. Redmond, Jr., Registration No. 18,753;
all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Todd M. C. Li
Customer Number 32074


Direct Telephone Calls to: *(name and telephone number)*
Todd M. C. Li, Registration No. 45,554, Telephone No. 845-894-6919

Full name of sole or first inventor Alan E. Rosenbluth	
Sole or first inventor's signature	Date
Residence 3017 Hickory Street, Yorktown Heights, NY 10598	
Citizenship USA	
Post Office Address 3017 Hickory Street, Yorktown Heights, NY 10598	

Full name of second inventor, if any Gregg M. Gallatin	
Second inventor's signature	Date
Residence 6 Castle Lane, Newtown, CT 06470	
Citizenship USA	
Post Office Address 6 Castle Lane, Newtown, CT 06470	

Full name of third inventor, if any Ronald L. Gordon	
Third inventor's signature	Date
Residence 16 Bird Lane, Poughkeepsie, NY 12603	
Citizenship USA	
Post Office Address 16 Bird Lane, Poughkeepsie, NY 12603	

Full name of fourth inventor, if any Nakgeun Seong	
Fourth inventor's signature	Date
Residence 22 Robinson Lane, Wappingers Falls, NY 12590	
Citizenship Republic of Korea	
Post Office Address 22 Robinson Lane, Wappingers Falls, NY 12590	

Full name of fifth inventor, if any Alexey Y. Lvov	
Fifth inventor's signature 	Date Feb 27 2004
Residence 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	
Citizenship RU	
Post Office Address 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	

Full name of sixth inventor, if any William D. Hinsberg	
Sixth inventor's signature	Date
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of seventh inventor, if any John A. Hoffnagle	
Seventh inventor's signature	Date
Residence 311 Los Pinos Way, San Jose, CA 95119	
Citizenship USA	
Post Office Address 311 Los Pinos Way, San Jose, CA 95119	

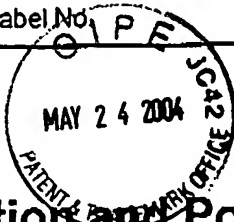
Full name of eighth inventor, if Frances A. Houle	
Eighth inventor's signature	Date
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of ninth inventor, if any Martha I. Sanchez	
Ninth inventor's signature	Date
Residence 725 Stanford Ave., Menlo Park, CA 94025	
Citizenship USA	
Post Office Address 725 Stanford Ave., Menlo Park, CA 94025	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Express Mail Label No.

Page 1 of 5

Docket No.
FIS920040011US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
FAST MODEL-BASED OPTICAL PROXIMITY CORRECTION

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on 02-20-04 as United States Application No. or PCT International
Application Number 10/783,938
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Joseph P. Abate, Registration No. 30,238;
Mark F. Chadurjian, Registration No. 30,739
Jay H. Anderson, Registration No. 38,371;
Ira D. Blecker, Registration No. 29,894;
Steven Capella, Registration No. 33,086;
James Cioffi, Registration No. 51,564;
Harold Huberfeld, Registration No. 26,665;
Todd M. C. Li, Registration No. 45,554;
Anthony N. Magistrale, Registration No. 35,595;
Margaret A. Pepper, Registration No. 45,008;
Mark Bilak, Registration No. 47,423;

H. Daniel Schnurmann, Registration No. 35,791;
Eugene I. Shkurko, Registration No. 36,678;
Steven J. Soucar, Registration No. 32,440;
Tiffany L. Townsend, Registration No. 43,199;
all of INTERNATIONAL BUSINESS MACHINES
CORPORATION;
John E. Hoel, Registration No. 26,279;
Christopher A. Hughes, Registration No. 26,914;
Joseph C. Redmond, Jr., Registration No. 18,753;
all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: **Todd M. C. Li**
Customer Number 32074

Direct Telephone Calls to: *(name and telephone number)*
Todd M. C. Li, Registration No. 45,554, Telephone No. 845-894-6919

Full name of sole or first inventor Alan E. Rosenbluth	Date
Sole or first inventor's signature	
Residence 3017 Hickory Street, Yorktown Heights, NY 10598	
Citizenship USA	
Post Office Address 3017 Hickory Street, Yorktown Heights, NY 10598	

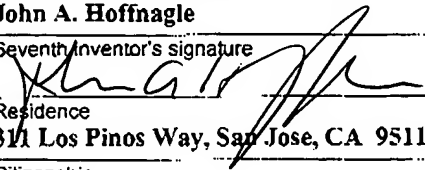
Full name of second inventor, if any Gregg M. Gallatin	Date
Second inventor's signature	
Residence 6 Castle Lane, Newtown, CT 06470	
Citizenship USA	
Post Office Address 6 Castle Lane, Newtown, CT 06470	

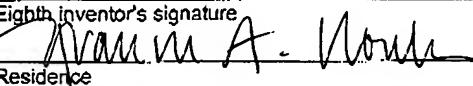
Full name of third inventor, if any Ronald L. Gordon	
Third inventor's signature	Date
Residence 16 Bird Lane, Poughkeepsie, NY 12603	
Citizenship USA	
Post Office Address 16 Bird Lane, Poughkeepsie, NY 12603	

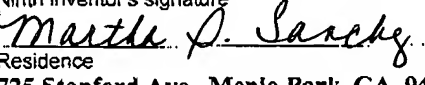
Full name of fourth inventor, if any Nakgeun Seong	
Fourth inventor's signature	Date
Residence 22 Robinson Lane, Wappingers Falls, NY 12590	
Citizenship Republic of Korea	
Post Office Address 22 Robinson Lane, Wappingers Falls, NY 12590	

Full name of fifth inventor, if any Alexey Y. Lvov	
Fifth inventor's signature	Date
Residence 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	
Citizenship RU	
Post Office Address 300 South Broadway, Apt. 6G, Tarrytown, NY 10591	

Full name of sixth inventor, if any William D. Hinsberg	
Sixth inventor's signature <i>William D. Hinsberg</i>	Date 2/27/04
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of seventh inventor, if any John A. Hoffnagle	
Seventh inventor's signature 	Date 2/27/04
Residence 311 Los Pinos Way, San Jose, CA 95119	
Citizenship USA	
Post Office Address 311 Los Pinos Way, San Jose, CA 95119	

Full name of eighth inventor, if any Frances A. Houle	
Eighth inventor's signature 	Date 2/27/2004
Residence 40635 Ladero St., Fremont, CA 94539	
Citizenship USA	
Post Office Address 40635 Ladero St., Fremont, CA 94539	

Full name of ninth inventor, if any Martha I. Sanchez	
Ninth inventor's signature 	Date 2/27/2004
Residence 725 Stanford Ave., Menlo Park, CA 94025	
Citizenship USA	
Post Office Address 725 Stanford Ave., Menlo Park, CA 94025	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	